

Marielos Pea-Claros

List of Publications by Citations

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93
papers

7,417
citations

38
h-index

86
g-index

103
ext. papers

9,028
ext. citations

8
avg, IF

5.38
L-index

#	Paper	IF	Citations
93	Long-term decline of the Amazon carbon sink. <i>Nature</i> , 2015 , 519, 344-8	50.4	583
92	Biomass resilience of Neotropical secondary forests. <i>Nature</i> , 2016 , 530, 211-4	50.4	557
91	Are functional traits good predictors of demographic rates? Evidence from five neotropical forests. <i>Ecology</i> , 2008 , 89, 1908-20	4.6	444
90	Sustaining conservation values in selectively logged tropical forests: the attained and the attainable. <i>Conservation Letters</i> , 2012 , 5, 296-303	6.9	362
89	The importance of wood traits and hydraulic conductance for the performance and life history strategies of 42 rainforest tree species. <i>New Phytologist</i> , 2010 , 185, 481-92	9.8	359
88	Carbon sequestration potential of second-growth forest regeneration in the Latin American tropics. <i>Science Advances</i> , 2016 , 2, e1501639	14.3	289
87	Persistent effects of pre-Columbian plant domestication on Amazonian forest composition. <i>Science</i> , 2017 , 355, 925-931	33.3	280
86	Diversity enhances carbon storage in tropical forests. <i>Global Ecology and Biogeography</i> , 2015 , 24, 1314-1328	18.28	245
85	Markedly divergent estimates of Amazon forest carbon density from ground plots and satellites. <i>Global Ecology and Biogeography</i> , 2014 , 23, 935-946	6.1	205
84	Does functional trait diversity predict above-ground biomass and productivity of tropical forests? Testing three alternative hypotheses. <i>Journal of Ecology</i> , 2015 , 103, 191-201	6	194
83	Diversity and carbon storage across the tropical forest biome. <i>Scientific Reports</i> , 2017 , 7, 39102	4.9	177
82	Linking functional diversity and social actor strategies in a framework for interdisciplinary analysis of nature's benefits to society. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 895-902	11.5	172
81	Beyond reduced-impact logging: Silvicultural treatments to increase growth rates of tropical trees. <i>Forest Ecology and Management</i> , 2008 , 256, 1458-1467	3.9	172
80	Biodiversity recovery of Neotropical secondary forests. <i>Science Advances</i> , 2019 , 5, eaau3114	14.3	161
79	Compositional response of Amazon forests to climate change. <i>Global Change Biology</i> , 2019 , 25, 39-56	11.4	158
78	Hyperdominance in Amazonian forest carbon cycling. <i>Nature Communications</i> , 2015 , 6, 6857	17.4	157
77	Changes in Forest Structure and Species Composition during Secondary Forest Succession in the Bolivian Amazon. <i>Biotropica</i> , 2003 , 35, 450-461	2.3	154

76	Climate is a stronger driver of tree and forest growth rates than soil and disturbance. <i>Journal of Ecology</i> , 2011 , 99, 254-264	6	151
75	Resilience of Amazon forests emerges from plant trait diversity. <i>Nature Climate Change</i> , 2016 , 6, 1032-1036	6.1	142
74	Ecosystem services research in Latin America: The state of the art. <i>Ecosystem Services</i> , 2012 , 2, 56-70	6.1	139
73	Loss of secondary-forest resilience by land-use intensification in the Amazon. <i>Journal of Ecology</i> , 2015 , 103, 67-77	6	133
72	Biodiversity and climate determine the functioning of Neotropical forests. <i>Global Ecology and Biogeography</i> , 2017 , 26, 1423-1434	6.1	110
71	Effects of disturbance intensity on species and functional diversity in a tropical forest. <i>Journal of Ecology</i> , 2012 , 100, 1453-1463	6	105
70	How People Domesticated Amazonian Forests. <i>Frontiers in Ecology and Evolution</i> , 2018 , 5,	3.7	100
69	Variation in stem mortality rates determines patterns of above-ground biomass in Amazonian forests: implications for dynamic global vegetation models. <i>Global Change Biology</i> , 2016 , 22, 3996-4013	11.4	99
68	Distribution patterns of tropical woody species in response to climatic and edaphic gradients. <i>Journal of Ecology</i> , 2012 , 100, 253-263	6	98
67	Seasonal drought limits tree species across the Neotropics. <i>Ecography</i> , 2017 , 40, 618-629	6.5	93
66	Abiotic and biotic drivers of biomass change in a Neotropical forest. <i>Journal of Ecology</i> , 2017 , 105, 1223-1234	6.2	80
65	Will REDD+ work? The need for interdisciplinary research to address key challenges. <i>Current Opinion in Environmental Sustainability</i> , 2012 , 4, 590-596	7.2	75
64	Rapid tree carbon stock recovery in managed Amazonian forests. <i>Current Biology</i> , 2015 , 25, R787-8	6.3	73
63	Legume abundance along successional and rainfall gradients in Neotropical forests. <i>Nature Ecology and Evolution</i> , 2018 , 2, 1104-1111	12.3	71
62	Wet and dry tropical forests show opposite successional pathways in wood density but converge over time. <i>Nature Ecology and Evolution</i> , 2019 , 3, 928-934	12.3	70
61	Soil Effects on Forest Structure and Diversity in a Moist and a Dry Tropical Forest. <i>Biotropica</i> , 2012 , 44, 276-283	2.3	65
60	Soil fertility and species traits, but not diversity, drive productivity and biomass stocks in a Guyanese tropical rainforest. <i>Functional Ecology</i> , 2018 , 32, 461-474	5.6	57
59	Old-growth Neotropical forests are shifting in species and trait composition. <i>Ecological Monographs</i> , 2016 , 86, 228-243	9	49

58	Spatial partitioning of biomass and diversity in a lowland Bolivian forest: Linking field and remote sensing measurements. <i>Forest Ecology and Management</i> , 2008 , 255, 2602-2616	3.9	42
57	The Tropical managed Forests Observatory: a research network addressing the future of tropical logged forests. <i>Applied Vegetation Science</i> , 2015 , 18, 171-174	3.3	40
56	Enrichment planting of <i>Bertholletia excelsa</i> in secondary forest in the Bolivian Amazon: effect of cutting line width on survival, growth and crown traits. <i>Forest Ecology and Management</i> , 2002 , 161, 159-168	3.8	40
55	Land use as a filter for species composition in Amazonian secondary forests. <i>Journal of Vegetation Science</i> , 2016 , 27, 1104-1116	3.1	38
54	Patterns and Determinants of Floristic Variation across Lowland Forests of Bolivia. <i>Biotropica</i> , 2011 , 43, 405-413	2.3	37
53	Timber production in selectively logged tropical forests in South America. <i>Frontiers in Ecology and the Environment</i> , 2007 , 5, 213-216	5.5	36
52	The effect of forest successional stage on seed removal of tropical rain forest tree species. <i>Journal of Tropical Ecology</i> , 2002 , 18, 261-274	1.3	36
51	Post-harvesting silvicultural treatments in logging gaps: A comparison between enrichment planting and tending of natural regeneration. <i>Forest Ecology and Management</i> , 2013 , 293, 57-64	3.9	35
50	Spatial and temporal dynamics of shifting cultivation in the middle-Amazonas river: Expansion and intensification. <i>PLoS ONE</i> , 2017 , 12, e0181092	3.7	35
49	Carbon recovery dynamics following disturbance by selective logging in Amazonian forests. <i>ELife</i> , 2016 , 5,	8.9	35
48	Can timber provision from Amazonian production forests be sustainable?. <i>Environmental Research Letters</i> , 2019 , 14, 064014	6.2	33
47	Biodiversity in species, traits, and structure determines carbon stocks and uptake in tropical forests. <i>Biotropica</i> , 2017 , 49, 593-603	2.3	32
46	Swiddens under transition: Consequences of agricultural intensification in the Amazon. <i>Agriculture, Ecosystems and Environment</i> , 2016 , 218, 116-125	5.7	30
45	Mid-term effects of reduced-impact logging on the regeneration of seven tree commercial species in the Eastern Amazon. <i>Forest Ecology and Management</i> , 2012 , 274, 116-125	3.9	30
44	Land-use intensification effects on functional properties in tropical plant communities. <i>Ecological Applications</i> , 2016 , 26, 174-89	4.9	28
43	Effects of liana load, tree diameter and distances between conspecifics on seed production in tropical timber trees. <i>Forest Ecology and Management</i> , 2009 , 257, 987-993	3.9	27
42	Recovery of forest structure and spectral properties after selective logging in lowland Bolivia 2006 , 16, 1148-63		26
41	Fates of trees damaged by logging in Amazonian Bolivia. <i>Forest Ecology and Management</i> , 2015 , 357, 50-59	3.9	25

40	Understanding Farm Diversity to Promote Agroecological Transitions. <i>Sustainability</i> , 2018 , 10, 4337	3.6	25
39	Natural regeneration of tree species in the Eastern Amazon: Short-term responses after reduced-impact logging. <i>Forest Ecology and Management</i> , 2017 , 385, 97-103	3.9	24
38	Linking vegetation and soil functions during secondary forest succession in the Atlantic forest. <i>Forest Ecology and Management</i> , 2020 , 457, 117696	3.9	24
37	Tree mode of death and mortality risk factors across Amazon forests. <i>Nature Communications</i> , 2020 , 11, 5515	17.4	24
36	Disturbance intensity is a stronger driver of biomass recovery than remaining tree-community attributes in a managed Amazonian forest. <i>Journal of Applied Ecology</i> , 2018 , 55, 1647-1657	5.8	23
35	Climate and soil drive forest structure in Bolivian lowland forests. <i>Journal of Tropical Ecology</i> , 2011 , 27, 333-345	1.3	23
34	Multidimensional tropical forest recovery. <i>Science</i> , 2021 , 374, 1370-1376	33.3	23
33	Silviculture enhances the recovery of overexploited mahogany <i>Swietenia macrophylla</i> . <i>Journal of Applied Ecology</i> , 2008 , 45, 1770-1779	5.8	20
32	The role of land-use history in driving successional pathways and its implications for the restoration of tropical forests. <i>Biological Reviews</i> , 2021 , 96, 1114-1134	13.5	20
31	A monocarpic tree species in a polycarpic world: how can <i>Tachigali vasquezii</i> maintain itself so successfully in a tropical rain forest community?. <i>Journal of Ecology</i> , 2005 , 93, 268-278	6	19
30	Sustainable Agroforestry Landscape Management: Changing the Game. <i>Land</i> , 2020 , 9, 243	3.5	17
29	Comparative effectiveness of silvicultural interventions for increasing timber production and sustaining conservation values in natural tropical production forests. A systematic review protocol. <i>Environmental Evidence</i> , 2015 , 4,	3.3	15
28	Taking the pulse of Earth's tropical forests using networks of highly distributed plots. <i>Biological Conservation</i> , 2021 , 260, 108849	6.2	15
27	Amazonian Dark Earth Shapes the Understory Plant Community in a Bolivian Forest. <i>Biotropica</i> , 2015 , 47, 152-161	2.3	14
26	Response to Comment on "Persistent effects of pre-Columbian plant domestication on Amazonian forest composition". <i>Science</i> , 2017 , 358,	33.3	13
25	Twenty years of forest management certification in the tropics: Major trends through time and among continents. <i>Forest Policy and Economics</i> , 2020 , 111, 102050	3.6	12
24	Disturbance Level Determines the Regeneration of Commercial Tree Species in the Eastern Amazon. <i>Biotropica</i> , 2014 , 46, 148-156	2.3	10
23	The integration of empirical, remote sensing and modelling approaches enhances insight in the role of biodiversity in climate change mitigation by tropical forests. <i>Current Opinion in Environmental Sustainability</i> , 2017 , 26-27, 69-76	7.2	9

22	Interactive effects of tree size, crown exposure and logging on drought-induced mortality. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	9
21	Pre-Columbian soil fertilization and current management maintain food resource availability in old-growth Amazonian forests. <i>Plant and Soil</i> , 2020 , 450, 29-48	4.2	8
20	Socio-ecological costs of Amazon nut and timber production at community household forests in the Bolivian Amazon. <i>PLoS ONE</i> , 2017 , 12, e0170594	3.7	8
19	Integrating stand and soil properties to understand foliar nutrient dynamics during forest succession following slash-and-burn agriculture in the Bolivian Amazon. <i>PLoS ONE</i> , 2014 , 9, e86042	3.7	8
18	Modelling carbon stock and carbon sequestration ecosystem services for policy design: a comprehensive approach using a dynamic vegetation model. <i>Ecosystems and People</i> , 2019 , 15, 42-60	4.3	8
17	Impact of agroecological management on plant diversity and soil-based ecosystem services in pasture and coffee systems in the Atlantic forest of Brazil. <i>Agriculture, Ecosystems and Environment</i> , 2021 , 305, 107171	5.7	7
16	Forest conservation: Humans' handprints. <i>Science</i> , 2017 , 355, 466-467	33.3	6
15	Effects of Amazonian Dark Earths on growth and leaf nutrient balance of tropical tree seedlings. <i>Plant and Soil</i> , 2015 , 396, 241-255	4.2	6
14	Rapid tree carbon stock recovery in managed Amazonian forests. <i>Current Biology</i> , 2015 , 25, 2738	6.3	6
13	Sustainability of Brazilian forest concessions. <i>Forest Ecology and Management</i> , 2021 , 496, 119440	3.9	6
12	Timber stock recovery in a chronosequence of secondary forests in Southern Brazil: Adding value to restored landscapes. <i>Forest Ecology and Management</i> , 2021 , 495, 119352	3.9	5
11	Ritmos de crecimiento diamétrico en los bosques secos tropicales: aportes al manejo sostenible de los bosques de la provincia biogeográfica del Cerrado Boliviano. <i>Bosque</i> , 2012 , 33, 21-22	0.8	4
10	Optimal strategies for ecosystem services provision in Amazonian production forests. <i>Environmental Research Letters</i> , 2019 , 14, 124090	6.2	4
9	Beyond Tropical Forests Adoption: Contextualizing Conservation Strategies. <i>Biotropica</i> , 2009 , 41, 653-655	2.3	3
8	Managing Natural Populations of Big-Leaf Mahogany. <i>Tropical Forestry</i> , 2011 , 227-235		3
7	Exploring Linkages between Supporting, Regulating, and Provisioning Ecosystem Services in Rangelands in a Tropical Agro-Forest Frontier. <i>Land</i> , 2020 , 9, 511	3.5	2
6	Driving factors of forest growth: a reply to Ferry et al. (2012). <i>Journal of Ecology</i> , 2012 , 100, 1069-1073	6	2
5	Commercial Logging of Timber Species Enhances Amazon (Brazil) Nut Populations: Insights from Bolivian Managed Forests. <i>Forests</i> , 2021 , 12, 1059	2.8	2

- 4 A More Realistic Portrayal of Tropical Forestry: Response to Kormos and Zimmerman. *Conservation Letters*, **2014**, 7, 145-146 6.9 1
- 3 Eighty-four per cent of all Amazonian arboreal plant individuals are useful to humans. *PLoS ONE*, **2021**, 16, e0257875 3.7 0
- 2 Land-use intensification effects on functional properties in tropical plant communities **2015**, 150521083605001
- 1 The International Year of Biodiversity: A Celebration and Cogitation. *Biotropica*, **2010**, 42, 531-533 2.3